Independent investigation Experiment

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| Criteria | Comments | Rating |
| 1. Proposal makes sense, is detailed, clear and comprehensive |  |  |
| 2. Hypothesis and research question are interesting, relate to science, are unique and comprehensive |  |  |
| 3. Methods and procedure are clearly explained, are inclusive, repeatable and sequenced. |  |  |
| 4. Variables are controlled. Manipulating and responding variables are clear and make sense. |  |  |
| 5. Data collection method makes sense. Collected enough data. Repeated several trials. Data is displayed in clearly labelled data charts and graphs where possible. |  |  |
| 6. Data is interpreted effectively, correctly. |  |  |
| 7. Inferences are based on collected data, make sense and are accurate. |  |  |
| 8. Conclusion is based on observation and other research, is accurate, makes sense, and relates to biology 11 concepts and calculations |  |  |
| 9. Sources of error are detailed. Proposed useful recommendations |  |  |
| 10. Project - organized and presented information clearly and effectively. Demonstrates clear understanding of science concepts. |  |  |

**10 – at an excellent level, 8- at a very good level, 6- at a satisfactory level, 4-5 minimally acceptable level, 2 and 0 - unsatisfactory level**

Comments:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_